

REMARKS

Claims 1-31 are pending in this application. By this Amendment, the title and claims 1, 5, 14, 23, 25 and 28 are amended. The Amendment further corrects a misspelling in the specification. No new matter is added. Reconsideration in view of the foregoing amendments and the following remarks is respectfully requested.

I. Amended Specification

The Office Action objects to the title for not being descriptive. The title of the application is amended to "METHOD FOR GENERATING ELECTRIC POWER AND ELECTRIC BATTERY FROM METALLIC ELECTRON DEFICIENCIES." The Office Action also requested Applicants to carefully review the disclosure for errors. In response to that request, the heading in the specification between paragraphs [0003] and [0004] is amended to "SUMMARY OF THE INVENTION".

Withdrawal of the objection is respectfully requested.

II. Claim Rejections

The Office Action rejects claims 1-13, 25 and 26 under 35 U.S.C. §102(b) over U.S. Patent No. 6,294,893 to de Abreu; and claims 14-24 and 27-31 under 35 U.S.C. §103(a) over de Abreu. These rejections are respectfully traversed.

In the §102(b) rejection, the Office Action asserts that de Abreu teaches a method and apparatus for generating energy using high frequency radiation bombarding on metallic solid plates 12, 13. In the §103(a) rejection, the Office Action combines de Abreu with the argument that it would be obvious to one having ordinary skill in the art at the time the invention was made to roll the metallic plates and/or to use radioactive waste for a power source.

De Abreu teaches the use of high frequency radiation to accomplish the "ultrafast recharge of accumulators and/or capacitors" (see Abstract). In fact, de Abreu relates only to

an accumulator or capacitor. In the accumulator pictured in Figs. 2A, 2B and 2C, there are positive plates 12 and negative plates 13 arranged in the cell and separated by a sheet 7. The electrolyte is in solution in the cell. In charging the cell, a voltage is applied across the positive polarized terminal 8 and negative polarized terminal 9.

In contrast, the claimed invention is neither a conventional accumulator nor a conventional capacitor, but is rather a new electric power generating method and/or an electric battery using a new electric power generating method whereby electricity is generated "from the electron deficiencies of secondary electrons" in metallic plates or a metallic solid substrate, as claimed in amended claims 1, 5, 14, 23, 25 and 28 (see also paragraphs [0008] and [0009] of the specification). The claimed invention, in one embodiment, includes metallic solid plates of two different thicknesses 10, 11 separated by insulation plates 20 (see Fig. 1). When the plates are irradiated, interactions such as Compton scattering and the photoelectric effect occur, which generates secondary electrons in the metallic plates 10, 11. As the secondary electrons are ejected from the metallic plates, electromotive forces are generated in the metallic plates from the electron deficiencies of the discharged secondary electrons (see paragraph [0016]). Since the thicknesses of metallic plates 10 are different from the thicknesses of metallic plates 11, the electromotive forces of the two metallic plates are different. The difference in the electromotive forces between the two plates creates an electric current generated in the conducting wires. Some embodiments of the claimed invention include a spherical or a spiral shape of the plates.

De Abreu does not teach or suggest a method for generating electricity "from the electron deficiencies of secondary electrons." For at least this reason, claims 1-31 are patentably distinct from the applied prior art under both §102 and §103.

Additionally, regarding the §103 rejection, the Office Action offers no evidence to support its assertion that "rolling the plates" and/or "using radioactive waste for a power

'source" would have been known in the art to be suitable in the context claimed by Applicants.

Applicants require that such evidence be identified if this rejection is maintained.

Accordingly, reconsideration and withdrawal of the rejection are respectfully requested.

III. Conclusion

In view of the foregoing, it is respectfully submitted that this application is in condition for allowance. Favorable reconsideration and prompt allowance of claims 1-31 are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number set forth below.

Respectfully submitted,



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